



## **George Crockett Academy Water Sampling Lead Analysis Report**

### **1. INTRODUCTION**

#### **1.1. GENERAL**

This report presents the results of our water sampling performed at the site of George Crockett Academy, 4851 14<sup>th</sup> St., Detroit, MI., on May 18<sup>th</sup>, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

#### **1.2. OBJECTIVES AND SCOPE**

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

#### **1.3. AUTHORIZATION**

Authorization was provided by phone for our Professional Services by Michael Jackson, school leader, on May 6<sup>th</sup>, 2016.

### **2. SITE INVESTIGATIONS**

#### **2.1. FIELD PROGRAM**

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

#### **2.2 LABORATORY TESTING**

##### **2.2.1. General**

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



**GS GROUP LLC**  
Green S.P.A.C.E.S Protect Our Earth

Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

### **3. DISCUSSIONS AND RECOMMENDATIONS**

#### **3.1. DISCUSSIONS OF FINDINGS**

The water results are below the threshold for lead contamination.

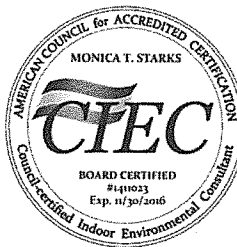
We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters  
Field Scientist

Monica Starks, CIEC  
Principal

Council-certified Indoor Environmental  
Consultant Board-awarded by the  
American Council for Accredited  
Certification



Appendix 1, Lab Results, Chain of Custody

17800 Woodward Ave Suite 200  
Detroit, MI 48203

Laboratory ID: 0055

**National Testing Laboratories, Ltd**  
556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

**ANALYTICAL REPORTS**

**SAMPLE CODE: 355483**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-KC-01-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | ND             | 1  | 5/18/2016 06:35   |              | 5/25/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| EC      | 200.8 |



James Abston, Operations Manager

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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355484**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-KC-01-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Etters

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**SAMPLE CODE: 355485**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-WC-02-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Etters

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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355486**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-WC-02-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Etters

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**SAMPLE CODE: 355487**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-CF-03-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Elters

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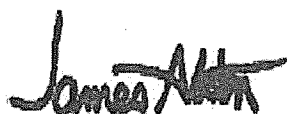
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|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
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These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| EC      | 200.8 |



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355488**

**5/27/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Crockett Academy, DC-01-CF-03-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/20/2016 14:25

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
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**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077502

Order Date: 05/16/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/18/16

Time Sampled: 6:35 Please Use Military Time, e.g. 3.00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Crockett Academy

Phone Number: 313-896-6078

Fax Number:

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KC-01-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: [Signature]

Sample Collected By: Michael Ethers  
(Please Print)

Form Completed By: Michael Ethers

| For Laboratory Use ONLY  |
|--|
| Lab Accounting Information:  |
| Payment \$: _____  |
| Check #: _____   |
| Lab Comments/Special Instructions:   |
|  |
| State Forms:   |
|  |
| Lab Sample Information:  |
| Date Received: MAY 20 2016   |
| Time Received: 14:25   |
| Received By: [Signature]   |
| <input checked="" type="checkbox"/> Sample receipt criteria checked & acceptable.              |
| <input type="checkbox"/> Deviations from acceptable sample receipt criteria noted on PSA form. |
|  |

Additional Comments: 3 locations sampled at this school. This is location #1, first draw.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing  
Laboratories, Ltd.**

*Quality Water Analysis*

1-800-458-3330

**General Compliance**

Order Number: 2077502

Order Date: 05/16/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/18/16

Time Sampled: 6:35 Please Use Military Time, e.g. 3:00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Crockett Academy

Phone Number: 313-896-6078

Fax Number: \_\_\_\_\_

PWS ID# (if applicable): N/A

Sample ID or Source: DC-B1-KC-01-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other: \_\_\_\_\_

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: [Signature]

Sample Collected By: Michael Eters  
(Please Print)

Form Completed By: Michael Eters

Additional Comments: 3 locations sampled at this school, this is location #1,  
Flush Sample

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 20 2016

Time Received: 14:25

Received By: EF

☒ Sample receipt criteria checked & acceptable.  
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing  
Laboratories, Ltd.**

*Quality Water Analysis*

1-800-458-3330

**General Compliance**

Order Number: 2077502

Order Date: 05/16/2016

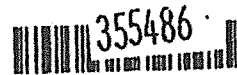
Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/16/16

Time Sampled: 6:35 Please Use Military Time, e.g. 3.00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Crockett Academy

Phone Number: 313-896-6078

Fax Number:

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-WA-02-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Ethers  
(Please Print)

Form Completed By: Michael Ethers

Additional Comments: 3 locations sampled at this school. This is location #2, Flush Sample.

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 20 2016

Time Received: 14:25

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



Quality Water Analysis

1-800-458-3330

## General Compliance

Order Number: 2077502  
Order Date: 05/16/2016

355487

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/18/16

Time Sampled: 6:35 Please Use Military Time, e.g. 3 00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Crockett Academy

Phone Number: 313-896-6078

Fax Number:

PWS ID# (if applicable): W/A

Sample ID or Source: DC-01-CF-03-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Effers  
(Please Print)

Form Completed By: Michael Effers

Additional Comments: 3 locations sampled at this school, this is location #3, first draw.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 20 2016

Time Received: 14:35

Received By: SF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



Quality Water Analysis

1-800-458-3330

## General Compliance

Order Number: 2077502

355488

Order Date: 05/16/2016

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/16/16

Time Sampled: 6:35 Please Use Military Time, e.g. 3.00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Crockett Academy

Phone Number: 313-896-6078

Fax Number:

PWS ID# (if applicable): W/A

Sample ID or Source: DC-01-CF-03-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: [Signature]

Sample Collected By: Michael Etkus  
(Please Print)

Form Completed By: Michael Etkus

Additional Comments: 3 locations sampled at this school, this is location #3, flush sample

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 20 2016

Time Received: 14:35

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

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